

CELLO® F700 FR HO ALG-01

Fire-proof white polyester non-woven with an oil- and water-repellent finish and laminated with a corrosion-proof aluminum foil (0.1 mm).

Applications: Buses/utility vehicles, household appliances, heating/ventilation/AC systems, cabins/casings/hoods, machine construction, medical technology, rail vehicles



TECHNICAL DATA

FLAMMABILITY	<ul style="list-style-type: none"> ▶ FMVSS 302, DIN 75 200, fulfilled ▶ ISO 3795, burning rate < 100 mm/min ▶ ECE R-118, annexes 6, 7 and 8 fulfilled ▶ EN 45545-2 2013, requirement R1, HL 3 fulfilled (≥ 10 mm)
TEMPERATURE RESISTANCE	<p>-50°C to +100°C</p> <p>-50°C to +150°C (except for a potential change of dimensions)</p>
THERMAL CONDUCTIVITY OF POLYESTER NON-WOVEN / EN 12667	≤ 0.036 W/(m·K) at 10°C
DENSITY OF NON-WOVEN / DIN EN 29073-1	20 kg/m ³ ± 10%

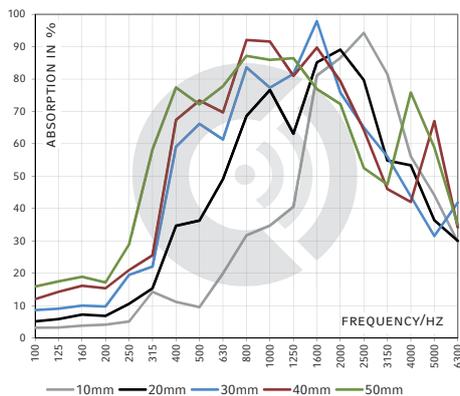
DIMENSIONS

PRODUCT	THICKNESS [mm]	THICKNESS TOLERANCE / DIN EN ISO 9073-2	SHEETS* [mm]
F700 FR HO ALG-01	10, 20, 30, 40, 50	± 10%, at 10 mm: ± 25%	2100 X 1250

Other thicknesses / dimensions on request. Ready-to-use parts according to your specifications or drawing.

*Untrimmed: Effective dimensions guaranteed as ordered, may be exceeded by some layers (foam, film, non-woven etc.).

IMPEDANCE TUBE / DIN 10 534-2



- BENEFITS**
- ▶ Very good protection against water splashes
 - ▶ In vibration tests, the fiber composite shows no tendency to break up
 - ▶ Does not provide a substrate for mold and fungal growth
 - ▶ Excellent sound absorption values
 - ▶ The aluminum foil protects the material against the penetration of liquids, ensuring that the product meets the highest hygiene requirements.

- OPTIONS**
- NK: no self-adhesive equipment
 SK: self-adhesive rear face
- F700 FR HO ALG-01 HLF R SK:
 Rear face additionally equipped with a fire protection barrier (Cello® HLF R) made from thermoplastic polyolefins.
 EN 45545-2 2016, requirement R1, HL 3 fulfilled (10-50 mm)

- ADVICE**
- ▶ Sheets must be stored in vertical position.
 - ▶ For sealing trimmed edges, we recommend our adhesive tape Cello® ALU-01

